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AMENDMENTS TO THE CLAIMS

- (previously presented) A method of preparing the chiral (±) isomers of indole-2,3dione-3-oxime derivatives, which method comprises the sequential steps of:
- (i) reacting an 8-amino-1,2,3,4-tetrahydro-isoquinoline with chloral hydrate and hydroxylamine hydrochloride to give an N-(1,2,3,4-tetrahydro-isoquinolin-8-yl)-2hydroxyimino-acetamide;
- (ii) adding sulphuric acid to the N-(1,2,3,4-tetrahydro-isoquinolin-8-yl)-2-hydroxyimino-acetamide obtained in step (i) to provide a 2,3-dioxo-2,3,6,7,8,9-hexahydro-1H-pyrrolo[3,2-h]isoquinoline; and
- (iii) reacting the 2,3-dioxo-2,3,6,7,8,9-hexahydro-1H-pyrrolo[3,2-h]isoquinoline obtained in step (ii) with chiral (enantiopure (R) or (S)) α -N,N-diBoc-aminoxy- γ -butyrolactone to obtain the desired chiral end product, i.e. enantiopure (R)- or (S)-2-[2-oxo-1,2,6,7,8,9-hexahydro-pyrrolo[3,2-h]isoquinolin-3-ylideneaminooxy]-4-hydroxy-butyric acid.
- $\label{eq:currently} 2. \mbox{ (currently amended) The method of claim 1, which method further comprises the step of $$$
- (a) reacting enantiopure (S) or (R) α-hydroxy-γ-butyrolactone with N,N-diBoc-hydroxylamine to give enantiopure (S) or (R) α-N,N-diBoc-aminoxy-γ-butyrolactone (Step-8a); followed by steps (i) to (iii) of claim 1.
- 3. (previously presented) The method of claim 1, which method further comprises the step of
- (b) subjecting N,N-diBoc-O-benzylhydroxylamine to hydrogenation to give N,N-diBochydroxylamine;
- followed by step (a) reacting enantiopure (S) or (R) α -hydroxy- γ -butyrolactone with N,N-diBoc-hydroxylamine to give enantiopure (S) or (R) α -N,N-diBoc-aminoxy- γ -butyrolactone; and

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followed by steps (i) to (iii) of claim 1.

- $\label{eq:local_state} 4. \mbox{ (previously presented) The method of claim 1, which method further comprises the step of }$
- (c) converting O-benzylhydroxylamine into N, N-diBoc-O-benzylhydroxylamine using Boc₂O;

followed by step (b) subjecting N,N-diBoc-O-benzylhydroxylamine to hydrogenation to give N,N-diBoc-hydroxylamine;

followed by step (a) reacting enantiopure (S) or (R) α -hydroxy- γ -butyrolactone with N,N-diBoc-hydroxylamine to give enantiopure (S) or (R) α -N,N-diBoc-aminoxy- γ -butyrolactone; and followed by steps (i) to (iii) of claim 1.

- (previously presented) The method of claim 1, which method further comprises the step of
- (d) reacting enantiopure (S) or (R) α -hydroxy- γ -butyrolactone with tosyl chloride to give enantiopure (S) or (R) α -tosyloxy- γ -butyrolactone;

followed by step (c) converting O-benzylhydroxylamine into N,N-diBoc-Obenzylhydroxylamine using Boc₂O;

followed by step (b) subjecting N,N-diBoc-O-benzylhydroxylamine to hydrogenation to give N,N-diBoc-hydroxylamine;

followed by step (a) reacting enantiopure (S) or (R) α -hydroxy- γ -butyrolactone with N,N-diBoc-hydroxylamine to give enantiopure (S) or (R) α -N,N-diBoc-aminoxy- γ -butyrolactone; and followed by steps (i) to (iii) of claim 1.

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6. (currently amended) The method of claim 1, wherein

the 8-amino-1,2,3,4-tetrahydro-isoquinoline (Compound 9) derivative of step (i) is 4-(8-amino-2-methyl-1,2,3,4-tetrahydro-isoquinolin-5-yl)-N,N-dimethyl-benzenesulfonamide (to obtain N-[5-(4-dimethylsulfamoyl-phenyl)-2-methyl-1,2,3,4-tetrahydro-isoquinolin-8-yl]-2-hydroxyimino-acetamide); and

the 2,3-dioxo-2,3,6,7,8,9-hexahydro-1*H*-pyrrolo[3,2-h]isoquinoline (Compound 11) derivative of step (iii) is *N,N*-dimethyl-4-(8-methyl-2,3-dioxo-2,3,6,7,8,9-hexahydro-1*H*-pyrrolo[3,2-h]isoquinolin-5-yl)-benzenesulfonamide;

giving enantiopure (R)- or (S)-2-[5-(4-dimethylsulfamoyl-phenyl)-8-methyl-2-oxo-1,2,6,7,8,9-hexahydro-pyrrolo[3,2-h]isoquinolin-3-ylideneaminooxy]-4-hydroxy-butyric acid as the end product (Compound A or B).

7. - 11. (cancelled).

12. (new) A method of preparing the chiral (±) isomers of indole-2,3-dione-3-oxime derivatives in accordance with claim 1, which method comprises the sequential steps of:

(i) reacting an 8-amino-1,2,3,4-tetrahydro-isoquinoline of the formula

with chloral hydrate and hydroxylamine hydrochloride to give an N-(1,2,3,4-tetrahydro-isoquinolin-8-yl)-2-hydroxyimino-acetamide of the formula

(ii) adding sulphuric acid to the N-(1,2,3,4-tetrahydro-isoquinolin-8-yl)-2-hydroxyimino-acetamide obtained in step (i) to provide a 2,3-dioxo-2,3,6,7,8,9-hexahydro-1H-pyrrolo[3,2-h]isoquinoline of the formula

: and

(iii) reacting the 2,3-dioxo-2,3,6,7,8,9-hexahydro-1H-pyrrolo[3,2-h]isoquinoline obtained in step (ii) with chiral (enantiopure (R) or (S)) α -N,N-diBoc-aminoxy- γ -butyrolactone of the formula

to obtain the desired chiral enantiopure (R)- or (S)-2-[2-oxo-1,2,6,7,8,9-hexahydro-pyrrolo[3,2-h]isoquinolin-3-ylideneaminooxy]-4-hydroxy-butyric acid of the formula (IVA) or (IVB)